

BITTNER, Antoni

The frequency of congenital heart diseases in children and adolescents in the city of Poznan and in the Poznan Region. *Pediat. Pol.* 39 no.7:823-826 Je '64.

1. Z Wojewodzkiej Przychodni Higieny Szkolnej w Poznaniu (Dyrektor: doc. dr med. A. Jankowiak).

VALER, Marton, dr.; BITTNER, Emil, dr.

Skin damages occurring in the course of Devincan manufacture.
Munkavede: en 9 no. 10/12:44-50 '63.

BITTNER, J.

Automation and telemechanization.

P. 45, (Sbirke Vynalezu) Vol. 6, no. 3, Mar. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

BITTNER, J.

SURNAME, Given Names

Country: Rumania

Academic Degrees: -Dr.-

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parasitologia, Epidemiologia, Vol VI,
No 4, Jul-Aug 1961, pp 297-315.

Data: " 'Aerobe' Cultivation of Strict Anaerobes."

070 901643

BITTNER, J.; VOINESCO, Viorica; ANTONI, S.

Sensitivity to antibiotics of anaerobes of the genus *Clostridium* determined "in vitro" by circular diffusion in gel. Arch. Roum. path. exp. microbiol. 20 no.1:63-76 Nr '61.

1. Travail de l'Institut "Dr. I. Cantacuzino" - Service des Anaerobies.

(CLOSTRIDIUM pharmacol) (ANTIBIOTICS pharmacol)

BITTNER, J., dr.; RADU, I., dr.; SEFER, M., dr.; COCA, R., dr.;
ROSEN, P., dr.; BREAZU, H., dr.

- A case of fatal septicemia caused by *Clostridium perfringens*.
(Clinical, bacteriological and hematological study). Micro-
biologia (Bucur) 8 no.3:243-252 My-Je '63.

1. Institutul "Dr. I. Cantacuzino" (for Bittner, Radu, Sefer).
2. Spitalul de adulti nr. 2 Ploiesti (for Coca, Rosen, Breazu).
(SEPTICEMIA) (CLOSTRIDIUM PERFRINGENS)
(PATHOLOGY) (BACTERIOLOGICAL TECHNICS)
(HEMATOLOGY)

BITTNER, J.; OLINESCO, Eleonora; PETCOU, Rica-Maria

Experimental data on the maintenance of viability and toxigenic capacity of *Cl. perfringens*, type A, after contact "in vitro" with large quantities of penicillin. Arch. Roum. path. exp. microbiol. 22 no.1:137-151 Mr '63.

(CLOSTRIDIUM PERFRINGENS)
(TOXINS AND ANTITOXINS) (PENICILLIN)
(CULTURE MEDIA) (PHARMACOLOGY)

BITTNER, I.; VOINESCO, Viorica; WINTER, D.; avec la collaboration
technique de: OLTEANU, Rodica

Action of ethylene-diaminotetraacetic acid (EDTA) and of metal
complexes on experimental intoxication and infection with
Clostridium perfringens, type A. III. Action of Na₂EDTA Ca
on the experimental infection of guinea pigs with spores of
Cl. perfringens, type A. Arch. Roum. path. exp. microbiol. 22
no.1:153-158 Mr '63.

(CLOSTRIDIUM PERFRINGENS) (INFECTION)
(EDATHAMIL) (PHARMACOLOGY)

BITTNER, J.

"Bacteriological arm and the protection against it" by L. A. Belikov. Reviewed by J. Bittner. Microbiologia (Bucur) 6 no. 1:92-93 Ja-F '62.

"Microorganism resistance to medicinal substances" by M. N. Lebedeva, S. D. Voropaeva. Reviewed by J. Bittner. Ibid.: 95-96.

OLARU, A.; BITTNER, J.; VOINESCO, V.; FICIU, S.; KRANZDORF, W.
Collaboration technique: NEACSU, Victoria; NEDELEA, "Iorica";
OLEEANU, Rodica

Research on an anaerobe polytoxoid. IV. Preliminary data on
experimental active immunization with a concentrated and
purified gangrenous tritoxoid adsorbed on aluminum phosphate.
Arch. roum. path. exp. microbiol. 23 no. 3:675-680 S '63.

1. Laboratoire de la Gangrene (for Olaru, Bittner, Vionescu,
Ficiu). 2. Laboratoire de Purification des Antigenes (for
Kranzdorf). Travail de l'Institut "Dr. I. Cantacuzino",
Bucarest.

PETROVICI, Al; BITTNER, J.; VOINESCO, Viorica. Collaborateur technique:
PENEA, C.

Variability of *Cl.perfringens*. II. Electrono-optic aspects of
the B.P.6K-P.1000 variant. Arch. roum. path. exp. microbial.
23 no.3:681-690 S'63

1. Travail de l'Institut "Dr.I.Cantacuzino"; Service de Micro-
scopie Electronique et des Aerobies, Bucarest.

STAVRI, D.; BITTNER, J.; VOINESCO, Viorica; MARX, A.

Variability of *Cl. perfringens*. III. Comparative study of the characteristic chemical constituents of the cell wall of the B.P.6K strain and the B.P.6K-P.1000 variant. Arch. roum. path. exp. microbiol. 23 no.3:691-696 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Services de Physiologie Microbienne et des Anaerobies, Bucarest.

BITTNER, J., dr.

Current status of the work of Professor Ion Cantacuzino in the field of immunity in invertebrates. Microbiologia (Bucur.) 9 no.4:293-299 J1-Ag '64

1. Lucrare efectuata in Institutul de microbiologie, parazitologie si epidemiologie "Dr.I. Cantacuzino".

STAVRI, D.; BITTNER, J.; FICIU, S.

Simple method for constantly obtaining a high-titer perfringens alpha-toxin. Pts.1-2. Arch. Roum. path. exp. microbiol. 23 no.4: 1025-1044 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Services de Physiologie Microbienne et des Anaerobies. Submitted June 24 1964.

L 00030-67

JK

ACC NR: AP6033620 (A) SOURCE CODE: RU/0023/66/011/005/0391/0397

AUTHOR: Bittner, J. (Doctor); Voinescu, Viorica (Doctor)

17
15

ORG: Laboratory of Gangrene Research, "Dr. I. Cantacuzino" Institute, Bucharest
(Laboratorul gangrena, Institutul "dr. I. Cantacurzino")

TITLE: Effect of antibiotics on gas-gangrene bacteria

SOURCE: Microbiologia, parazitologia, epidemiologia, v. 11, no. 5, 1966, 391-397

TOPIC TAGS: antibiotic, penicillin, sulfa drug, gas gangrene, anaerobic,
Clostridium microbe

ABSTRACT: Research on the effect of antibiotics on the anaerobic bacteria of gas gangrene by the authors and other Rumanian scientists, done since about 1961 at the Laboratory of Gangrene Research at the "Dr. I. Cantacuzino" Institute, was surveyed. Various Clostridium species (perfringens, tetani, oedematiens, septicum, histolyticum, fallax, cochlearium, chauvoei, bifermentans, sporogenes, Sordellii, gigas, and tertium) were studied. The antibiotics and sulfa drugs used in testing were penicillin, streptomycin, aureomycin, tetracycline, erythromycin, tyrocidine, tyrothricin, bacitracin, nitrofurantoin, polymyxin B, "magnamycin,"

Card 1/2

UDC: 616.981.57—085.779.93

L 09030-67

ACC NR: AP6033620

2

chloramphenicol, neomycin, terramycin, Salvoseptil, and Superseptil. The following results were obtained: (a) penicillin does not destroy Cl. perfringens spores, and has no bactericidal effect on its whole population; (b) research has shown that penicillin does not affect the toxigenic capacity of the bacteria; (c) penicillin, or any other antibiotic also can be ineffective in vivo because they cannot penetrate the seat of the sore when administered parenterally. Hence, while the great value of antibiotics as antimicrobial factors in gas gangrene treatment was not denied, it was emphasized that such treatment must be complex, i. e., antitoxic, antimicrobial, and surgical. Penicillin should be used clinically only in association with other therapy. [W050]

SUB CODE: 06/ SUBM DATE: 02Dec65/ ORIG REF: 016/ SOV REF: 004/
OTH REF: 042/

Card 3/2 nst

BITTNER, J.

Modern alchemy. p.74.

(Sbirka Vynalezu, Vol. 6, No. 4, Apr. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

L 31431-66 EWP(j)/T RM

ACC NR: AP6023146

SOURCE CODE: PO/0046/66/011/001/0047/0055

AUTHOR: Stronski, Ignacy; Bittner, Maria; Kruk, Janina

54
B

ORG: [Stronski] Laboratory of Chemistry and Radiochemistry, Institute of Nuclear Physics, Krakow; [Bittner; Kruk] Department of Physical Chemistry and Electrochemistry, Jagellonian University, Krakow

TITLE: Radiochemical separation of some metal salts by extraction chromatography / on powdered polytetrafluoroethylene in the system tri-n-octylphosphine oxide-mineral acids

SOURCE: Nuckeonica, v. 11, no. 1, 1966, 47-55

TOPIC TAGS: chromatography, teflon, radioisotope, chemical separation, organic phosphorus compound

ABSTRACT: The conditions for separation of salts of Ni(II), Cu(II), Zn(II), Sr(II), Y(III), Cd(II), Tb(III), Pb(II), Bi(III), Th(IV), and U(VI) on a small chromatographic column of polytetrafluoroethylene (teflon) supporting tri-n-octylphosphine oxide (TOPO) were investigated, using the radiotracer method. The separation of the mixtures Ni-Cu, Cu-Zn, Sr-Y, Pb-Bi, Th-U and Cd-Tb-U, and the preparation of carrier-free radioisotopes of ⁹⁰Y and ²⁰⁶Pb are described. The authors would like to express their thanks to Prof. H. Niewodniczanski and Prof. B. Kamienski for their interest and encouragement throughout the course of this investigation as well as to Mrs. C. Waligorska for improving the style. Orig. art. has: 7 figures and 1 table. [Orig. art. in Eng.]

SUB CODE: 07 / SUBM DATE: 17Jul65 / ORIG REF: 004 / SOV REF: 001 / OTH REF: 018

Cord 1/1 8.2

0915

1356

BITTNER, R. ✓

SURNAME, Given Names

Country: Poland

Academic Degrees: /not given/ ✓

Affiliation: Higher Pedagogical School (Wyzsza Szkola Pedagogiczna), Gdansk

Source: Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences
Mathematiques, Astronomiques et Physiques, Vol 9, No 2, Feb 61, pp 79-84

Data: "On a New Definition of Polynomials."

GPO 981643

BITTNER, R.

Algebraic properties of linear derivative equations in linear spaces.
Bul Ac Pol mat 9 no.3:133-139 '61.

1. Normal School, Gdansk. Presented by S. Masur.

(Differential equations, Linear)
(Spaces, Generalized)

BITTNER, R.

Algebraic properties of linear derivative equations in algebras.
Bul Ac Pol mat 9 no.3:141-142 '61.

1. Normal School, Gdansk. Presented by S. Mazur.

BITTNER, R.

Nonlinear derivative equation in K_g -spaces. Bul Ac Pol mat
10 no.9:475-478 '62.

1. Normal School, Gdansk. Presented by S. Mazur.

BITTNER, R.

Universal spaces for analytic elements. Bul Ac Pol mat 10
no.8:441-443 '62.

1. Normal School, Gdansk. Presented by S. Mazur.

BITTNER, R.

Summation theorems for analytic elements. Bul Ac Pol mat 10
no.8:437-440 '62.

1. Normal School, Gdansk. Presented by S. Mazur.

BITTNER, R.

Algebraic properties of derivative equations in algebras. Bul Ac
Pol mat 9 no.3:141-142 '61.

1. Normal School, Gdansk. Presented by S. Mazur.

(Equations) (Algebras)

BITTNER, Ryszard

Euler's generalized theorem and exponential representation
of analytic elements. Matem fiz chem Gdansk 2:5-11 '62.

1. Department of Mathematical Analysis, School of Education,
Gdansk.

BITTNER, R.

Algebraic and analytic properties of solutions of abstract
differential equations. Rozprawy matemat 41:1-62 '64.

BITTNER, W.; NIEZBORALA, H.

The use of reinforced concrete in the construction of flour mills. p. 69

PRZEGLAD ZPOZOWO-MLYNARSKI (Polskie Wydawnictwo Gospodarcze) Warszawa, Poland
Vol. 3, no. 3, Mar 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959.
Uncl.

MAJKOWSKI, Jerzy; BITTNER-MANICKA, Maria; MROZEK, Konstanty

The value of misodine in epilepay. (Preliminary report).
Neurol. neurochir. psychiat. Pol. 15 no.3:447-452
My-Je '65.

1. Z Kliniki Neurologicznej AM w Warszawie (Kierownik:
prof. dr. med. I. Hausmanowa-Petrusewicz).

BITTO, Attila

Ultrashortwave mixing unit with little noise and big
amplification. Radiotekhnika 10 no.7:207-209 JI '60.

GELLERI, Emil, dr.; LAKATOS, György; BITTO, Janos, dr.

Economy of high-power neon tubes in the industry. Ipari
energia 5 no.4:73-79 Ap '64.

1. National Electric Power Control Board, Budapest (for Gelleri).
2. Research Institute of Telecommunication Engineering Industry,
Budapest (for Lakatos and Bitto).

BITTSANSZKY, Geza, okleveles villamosmernok

Temperature regulation in the textile industry. Magyar Textil 17
no.2:94-95 F '65.

1. Research Institute of Textile Industry, Budapest.

Bituk, S.M.
USSR/Chemical Technology - Chemical Products and Their
Application. Treatment of Solid Mineral Fuels

I-7

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2478

Author : Platonov, R.K., Kozhevnikov, A.V., Bituk, S.M.

Inst : All-Union Scientific Research Institute of Shale Processing

Title : Shale Distillation Mazut as Fuel for Ship Boiler Units.

Orig Pub : Tr. Vses. n.-i. in-ta po pererabotke slantsev, 1956, No 5, 281-288

Abstract : Results of laboratory studies of the properties of distillation mazut constituting a fraction of shale tar, boiling above 325°, and distilled in vacuum until a bitumen of given softening point is obtained in the residue. By its physico-chemical characteristics this mazut is equivalent to ship boiler mazut. In comparison with petroleum mazut

Card 1/2

USSR/Chemical Technology - Chemical Products and Their
Application. Treatment of Solid Mineral Fuels

I-7

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2478

the shale mazut is more readily separated from water and
has a considerably lower solidification point and a more
advantageous viscosity as a function of temperature.

Card 2/2

OLARU, A.; BITTNER, Zh.; TEODORESKU, G. [Teodorescu, G.]; FYCHIU, S.
[Ficiu, S.]

Study of the toxin formation of *Cl. perfringens* on a medium prepared
by the hydrolysis of casein and fish bone meal with proteases from
the fungus *Aspergillus terricola*. Zhur. mikrobiol. epid. i immun.
31 no. 10:85-89 0 '60. (MIRA 13:12)

1. Iz Instituta mikrobiologii, parazitologii i epidemiologii imeni
Kantakuzino, Bukharest.

(*CLOSTRIDIUM PERFRINGENS*) (*ASPERGILLUS*)

(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

BITUK, S.M.

AUTHORS: Kozhevnikov, A.V., and Bituk, S.M.

TITLE: Coking of heavy fractions of oil shale tar with alkaline additions. (Koksovaniye tyazhelykh fraktsiy slantsevoy smoly so shchelochnymi prisadkami). 65-6-8/13

PERIODICAL: "Khimiya i Tekhnologiya Topliva i Masel" (Chemistry and Technology of Fuels and Lubricants) 1957, No.6, pp.48-54 (USSR).

ABSTRACT: Results of laboratory experiments on coking of heavy fractions of oil shale tar with additions of NaOH, KOH, CaO, Na₂CO₃ and Li₂CO₃ are given. The raw material consisted of a mixture of medium and heavy fractions (75% and 25% respectively) of tars obtained from gas producers in the Kokhtra-Yarve works. The characteristic feature of the tar was a high oxygen content - 6.5%, of which 3.3% was hydroxyl oxygen, the remaining 3.2% of oxygen - neutral of unknown structure. Experimental results are given in tables 1-9 and figs. 1-2. It was established that on distillation up to coke of higher fractions of oil shale tar in the presence of alkali additions, the decomposition of all compounds with acid function takes place and the distillate produced is practically free from phenols. This can be taken as an indirect confirmation that oxygen containing compounds of the higher fractions of shale tar on thermal decomposition in

Card 1/2

Coking of heavy fractions of oil shale tar with alkaline additions. (Cont.)

65-6-8/13

the presence of alkali behave like phenols, as the decomposition with the formation of CO_2 which is typical for

carbinol compounds was not detected. Alkali additions cause a decrease of the temperature (in liquid) of the beginning of distillation on cooking by 80 - 100 C in comparison with similar distillation without alkali additions. The distillate produced in the presence of alkali is lighter in respect of specific gravity and fractional composition. Gas produced (7% on raw material) on cooking with alkali additions consist of 75-80% hydrogen, 15-20% methane, 2-3% olefins and practically does not contain H_2S , CO_2 and CO .

There are 9 tables and 2 figures.

ASSOCIATION: VNII PS.

AVAILABLE:
Card 2/2

SEMENOV, S. S.; BITUK, S. M.; DYMSHITS, S. A.; BROY-KARRE, G. V.

Continuous distillation of shale tars and phenols on a pilot
device. Trudy VNIIT no. 11:134-143 '62. (MIRA 17:5)

DYMSHITS, S.A.; BITUK, S.M.; PARSHINA, Ye.P.; ORLOVA, N.S.;
SEMENOV, S.S.; BROV-KARRE, G.V.

Potential content of water soluble phenols in generator
tar and the optimal conditions for their separation. Trudy
VNIIT no.12:102-108 '63. (MIRA 18:11)

LEJMAN, Kazimierz; BITTNER-KONTURKOWA, Danuta; BOGDASZEWSKA-CZABANOWSKA, Jadwiga

Analysis of failures in the treatment of early syphilis with penicillin according to data on patients treated with the Dermatological Clinic of the Academy in Krakow in 1947-1958. Przegl. dermat. 49:297-301 '62.

1. Z Kliniki Dermatologicznej AM w Krakowie Kierownik: prof. dr K. Lejman.

(PENICILLIN)

(SYPHILIS)

BOCZAR, Kazimierz; BITTNER-KONTURKOWA, Danuta

Results of penicillin therapy of syphilis of the nervous system.
Przegl. dermat. 49:321-326 '62.

1. Z Kliniki Dermatologicznej AM w Krakowie Kierownik: prof. dr
K. Lejman.

(PENICILLIN)

(NEUROSYPHILIS)

BITTO, Attila

Conversion of ultrashortwave receiving sets from CCIR band to OIRT band.
Radiotechnika 10 no.4:114-115 Ap '60.

BITTO, Attila; RAUSCH, Edwin

Head amplifier for the reception of the Banska Bystrica television station in Czechoslovakia. Radiotechnika 12 no.10:336 0 '62.

SEMENOV, S.S.; DYMSHITS, S.A.; BITUK, S.M.; PARSHINA, Ye.P.; ORLOVA, N.S.

Potential phenol content of shale oil from semicooking of shales
at the "Slantsy" combint. Trudy VNIIT no.10:166-174 '61.
(MIRA 15:3)

(Shale oils)(Phenols)

KRYLOV, V.N.; TROTS, A.A.; KOZHEVNIKOV, A.V.; BITUK, S.M.

Production of calcium carbide, electrical carbon and graphitized
articles from the coke of shale tar. Khim. i tekhn. gor.
slan. i prod. ikh perer. no.8:139-151 '60. (MIRA 15:2)
(Calcium carbide)
(Oil shales)

KRYLOV, V.N.; TROTS, A.A.; KOZHEVNIKOV, A.V.; BITUK, S.M.

Obtaining calcium carbide, carbon-electrode and graphitized articles
from the chamber-furnace coke and tar pitch formed in the refining
of Baltic shales. Khim. i tekhn. gor. slan. i prod. ikh perer.
no.114358-365 '62. (MIRA 17:3)

KOZHEVNIKOV, A.V.; BITUK, S.M.

Repeated multiple coking of the higher fractions of shale tar.
Khim. i tekhn. gor. slan. i prod. ikh perer no.13:333-341 '64.

Coking of chamber oven shale tar and its high residual fractions
obtained in vacuum distillation. Ibid.:342-348 (MIRA 18:9)

DYMSHITS, S.A.; SEMENOV, S.S.; PARSHINA, Ye.P.; ORLOVA, N.S.; BITUK, Ye.V.

Studying the composition of phenols evolved from the generator tar
of the "Shale" Combine. Trudy VNIIT no.13:66-73 '64.

(MIRA 18:2)

BITUNOV, V.

Labor organization in machine-tool plants. Sots. trud 8 no.5:
60-64 My '63. (MIRA 16:6)

(Moscow—Machine-tool industry)

BITUNOV, V.V.

AUTHOR: Bitunov, V.V., Engineer SOV/117-58-11-3/36

TITLE: The Machine Tool Building Plant "Red Proletarian" Imeni A.I. Yefremov (Stankostroitel'nyy zavod "Krasnyy proletariy" imeni A.I. Yefremova)

PERIODICAL: Mashinostroitel', 1958, Nr 11, pp 4-5 (USSR)

ABSTRACT: The workers of the plant "Krasnyy proletariy" (Red Proletarian) took on the obligations to fulfil the year's plan by 19 Dec 1958, to produce 75 lathes above the plan, to fulfil the plan early for supplying Soviet agriculture and China with machine tools, to save 200 tons of metal and 800,000 man hours. The output per worker during the period January to June was 115% of the plan. The quality of production is to be increased, and the rejects reduced by 10%. The labor used for producing the lathe 1K62 is to be decreased by 10 man hours.

1. Machine tools--Production

Card 1/1

25(7)

SOV/117-59-7-24/28

AUTHORS: Bitunov, V.V., and Markiz, Yu.L., Engineers

TITLE: Production Line Methods in Serial Machine-Production

PERIODICAL: Mashinostroitel', 1959, Nr 2, pp 40-44 (USSR)

ABSTRACT: The article describes the production lines and general organization at the Moskovskiy stankostroitel'-nyy zavod "Krasnyy proletariy" im. A.I. Yefremova (The Moscow Machine Tool Plant "Krasnyy proletariy" imeni A.I. Yefremov), which received a positive appraisal at the 21st Congress of the CPSU (by F.R. Kozlov, First Deputy Chairman of the Council of Ministers). Since 1956, the plant produces the universal lathe "1K62", one of the best in the world, and uses the same production lines, on which the parts of this lathe are machined, for the parts of the "1K62B" (a new precision lathe). Other designs are being developed from the "1K62", and the program-control lathe "1S62" has already been produced. Other models will follow: the screw-cutting lathe "1K620"

Card 1/3

SOV/117-59-7-24/28

Production Line Methods in Serial Machine-Production

of top class, with stageless spindle speed regulation between 12 and 3,000 rpm; the machines "1S62A", "1K62A", "1K62M", "1K62P" and others. At the present time, the special and transfer machine tools in the plant's lines exceed 31% of the overall equipment of the lines. The continuous-milling method is in use (suggested by Engineer V.A. Romanov) for some small parts, but multi-spindle milling is employed (instead of the former shaping) in the production of new machines. An 11-spindle special finish-milling machine for machine tool frames is shown in Figure 2. In 1958 the plant started the first in the USSR automatic machining line making 10 different types of spur gears; it produces gears at the rate of one in 1 to 1.5 min (compared with 30 to 100 min before). The line is serviced by two setters and one man comes once or twice during a shift to charge the hopper and take the ready gears. All production lines in the plant's mechanical shops use roller tables for transportation

Card 2/3

SOV/117-59-7-24/28

Production Line Methods in Serial Machine-Production

purposes in combination with other means (overhead cranes, monorails). The general production organization in the shops is also discussed in the article. The high efficiency of the production line system of work is stressed, even for medium-series production of machine tools (several hundred per year). The fundamental part of the general plant mechanization will be completed in the next two years. The general mechanization will include all the production stages. The lines will be equipped with built-in size gages. The amount of manual work will be cut by 33%. The mechanical shops will have new automatic lines (e.g. for production of spline shafts) and new automatic machine tools. The small-series production shops will be more specialized for producing vertical multi-spindle semi-automatic machines, the output of which will be trebled by the end of the Seven-Year Plan. There are 3 photos and 1 graph.

Card 3/3

25(6)

SOV/117-59-4-19/36

AUTHOR: Bitunov, V.V., Engineer

TITLE: A Contest for Excellent Quality of Production
(From the Experience of the Plant "Krasnyy Proletariy".)

PERIODICAL: Mashinostroitel', 1959, Nr 4, pp 34-35 (USSR)

ABSTRACT: The described contest started at the "Krasnyy Proletariy" Plant, after an internal conference on production quality in 1958. It was initiated by F.V. Kalganov, chief foreman of a section with four production lines machining machine tool frame parts requiring class 1 and 2 accuracy. Technologist A.S. Bugrov assisted Kalganov in the study of the trouble sources which included faulty castings delivered by Moskovskiy zavod "Stankolit" (Moscow Plant "Stankolit"), tool design, etc. Measures were taken, some of which are specified: setting cards were provided for machines; sharpening the reamers down to

Card 1/2

SOV/117-59-4-19/36

A Contest for Excellent Quality of Production (From the Experience of the Plant "Krasnyy Proletariy").

0.02-0.03 mm below the nominal diameter was introduced to eliminate too large bore diameters (caused by wobbling of reamers and mandrels, as well as inaccuracies of setting); a store of spares for fast-wearing machine parts was organized at the site; the technical inspection staffers helped in checking dimensions, and a set of slip gages was provided. Now, the reject can be classified as caused by: the administration; the shop; or by the shop section. Kalganov's section is causing no rejects at all. Foreman Kalganov told of his section's work at a foremen conference of the plant in which all foremen took up the competition for excellent production quality.

ASSOCIATION: Zavod "Krasnyy proletariy" (The "Krasnyy Proletariy" Plant).

Card 2/2

BITUNOV, V.V., inzh.; MARKIZ, Yu.L., inzh.

Continuous production methods in lot manufacture of machines.
Mashinostroitel' no.7:40-44 J1 '59. (MIRA 12:11)
(Machinery industry)

BITUNOV, V.

Second year of the seven-year plan at a plant. Sots.trud 5 no.1:
99-104 Ja '60. (MIRA 13:6)

1. Zamestitel' nachal'nika otдела truda i zarabotnoy platy moskovsko-
go stankostroitel'nogo zavoda "Krasnyy proletariy."
(Moscow--Machine industry)

BITUNOV, V.V.

Practive in work organization under the conditions of the over-all
mechanization of production. Nauch.trudy MIEI no.18:266-280
'61. (MIRA 15:2)

(Moscow--Machine-tool industry) (Automation)

BITUNOV, V.

Improve the planning of wage funds. Sots. trad 6 no.12:55
61 D 161, (NIA 14:11)
(Moscow-Mingee-Machinery industry)

BITUNOV, V.

Bonus payments to engineers and secondary technical personnel.

Sots.trud. 7 no.6:49-54 Je '62. (MIRA 16:2)

(Bonus system)

BITUNOV, V.

Current problems in establishing work norms in industry. Sots. trud
7 no.11:86-90 N 62. (MIRA 15:12)

1. Nachal'nik ekonomicheskogo otdela Upravleniya mashinostroyeniya
Moskovskogo gorodskogo soveta narodnogo khozyaystva.
(Moscow—Machinery industry—Production standards)

BITUNOV, V.V., kand.ekon.nauk; PINAYEV, L.G., inzh.

Economics of plastics processing in the machinery industry.
Vest.mashinostr. 45 no.11:78-79 N '65.

(MIRA 18:12)

LIPSHITS, Naum Veniaminovich; BITUNOV, Ye.I., retsenzent; SOKOLOVA, V.Ye.,
redaktor; BEL'CHIKOVA, Yu.S.; tekhnicheskiiy redaktor

[Organization and maintenance of AT-175sh automatic loom]
Ustroistvo i obsluzhivanie avtomaticheskikh tkatskikh stankov
AT-175sh. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva legkoi
promyshl. SSSR, 1956. 137 p. (MIRA 9:9)
(Looms)

BITUNOV, YEVGENIY |

LIPATENKOV, Ivan Vasil'yevich; KAPRALOV, Mikhail Karpovich; BITUNOV, Yevgeniy Ivanovich; VAKUROV, Konstantin Viktorovich; KUZOVSKIN, Konstantin Sergeyevich; PAVLOV, Leonid Vasil'yevich; KLOCHKOV, Ivan Nikitich; ZHITS, Margoliya Isayevna; KHROMOV, Vasil'y Vasil'yevich; LIPSHITS, M.V., redaktor; KOPILEVICH, Ye.I., redaktor; DMITRIYEVA, M.I., tekhnicheskii redaktor

[Assembling and adjusting machinery of looms with picker sticks;
work practices of foremen and assistants in the Monin worsted mills]
Ustanovka i naladka mekhanizmov tkatskikh stankov s verkhnim boem;
obobshchennyi opyt raboty masterov i pomoshchnikov mastera Moninskogo
kanvol'nogo kombinata. Pod red. M.V.Lipshitsa. Moskva, Gos.nauchno-
tekhn.isd-vo M-va legkoi promyshl.SSSR, 1957. 109 p. (MLRA 10:9)
(Looms)

BITUNOV, Ye.I.; KAPRALOV, M.K.; MALEKHONOV, D.P.

Specialised gaitings used in weaving. Tekst. prom. 18 no.9:
7-10 S '58. (MIRA 11:10)

1. Zaveduyushchiy tkatskim proizvodstvom Moninskogo kamvol'nogo kombinata (for Bitunov). 2. Nachal'nik tsekha avtomaticheskikh tkatskikh stankov (for Kapralov). 3. Starshiy inzhener po normirovaniyu tkatskogo proizvodstva (for Malekhonov).
(Weaving)

SUKHOPARA, F.M.; BITYAZEVA, V.A.; PROKHOROV, A.I.

Studies by Chernovtsy economic geographers. Izv.AN SSSR.
Ser.geog. no.4:133-135 J1-Ag '60. (MIRA 13:7)
(Stanislav Economic Region--Geography, Economic)

BITYUKOV, A.; YEFREMOV, V.

You neglected your duty, you answer for it. Zhil.-kom.khoz. 11
no.6:11-12 Je '61. (MIRA 14:7)

1. Upravlyayushchiy domami Pervomayskogo rayona Krasnodar (for
Bityukov). 2. Predsedatel' domovogo komiteta domoupravleniya No.12
Pervomayskogo rayona, Krasnodar (for Yefremov).
(Krasnodar—Housing administration)

30. (1)

AUTHOR:

Bitjukov, E. P.

SOV/20-128-1-48/58

TITLE:

A Contribution to the Problem of Vertical Migration of Clupea harengus Membras L.

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 1, pp 179-182 (USSR)

ABSTRACT:

In autumn 1956 complex investigations were started with regard to environmental factors influencing the distribution of clupea harengus membras L. in the Gulf of Finland, and special attention was paid to the daily vertical migration of this fish. The conventional theory explains this phenomenon as follows: in search for food, the fish follow the migrating plankton organisms which are their food, and at dusk they eat them in the upper region of the water. A comparison of the rhythms of the daily food reception of the fish and the distribution of their food objects shows, however, that the vertical migration does not depend on the food factor. Clupea harengus membras L. of the Baltic Sea, especially those of its northern part and its bays, live under rough temperature conditions. P. N. Brizinova's (Ref 1) and L. N. Markova's (Ref 2) investigations show that a water temperature of about 10-12° at a depth of not more than 15-20 m offers optimum conditions for the metabolism of the fish.

Card 1/3

A Contribution to the Problem of Vertical Migration of Clupea Harengus Membras L. SOV/20-128-1-48/58

These data and the material collected by the author substantiate the theory that the daily vertical migration is an adaptation to thermal and trophical living conditions in the Gulf of Finland. It would be more favorable for the fish to stay in the upper and warmer region of the water, since the rough temperature conditions in the bottom region are not suited for metabolism. The main food objects, however, remain in the cool bottom region, thus forcing the fish to receive nourishment there. Since food reception of clupea harengus membras L. is an active process, it takes place in daylight. Light in this case is a stipulated signal: at dusk they swim into deeper regions for the reception of food. At dawn they migrate into warmer regions where digestion and metabolism are favored. There are 2 figures and 8 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozyaystva (Scientific Research Institute of Sea- and River- Fish Industry)

Card 2/3

BITYUKOV, E.P.

Ecology of *Limnocalanus grimaldii* (Guerne) in the Gulf of Finland.
Zool. zhur. 39 no.12:1783-1789 '60. (MIRA 14:1)

1. State Research Institute of Lake and River Fishery Management,
Leningrad.

(Finland, Gulf of--Copepoda)

BITYUKOV, E.P.

Vertical distribution of zooplankton in Novosibirsk Reservoir.
Trudy Biol. inst. Sib. otd. AN SSSR no.7:103-107 '61. (MIRA 15:3)
(NOVOSIBIRSK RESERVOIR—ZOOPLANKTON)

BITYUKOV, E.P.

A new model of plankton sampler. Trudy Gidrobiol. ob-va 11:419-423
'61. (MIRA 15:1)

b. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i
rechnogo rybnogo khozyaystva, Leningrad.
(Plankton research)

BITYUKOV, E.P.

Food of the Baltic herring (*Clupea harengus membras* L.) in the eastern part of the Gulf of Finland. Vop. ikht. 1 no. 4: 725-736 '61. (MIRA 14:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozyaystva (GOSNIORKh), Leningrad.
(Finland, Gulf of--Herring)
(Fishes---Food)

BITYUKOV, E. P.

Dissertation defended at the Zoological Institute for the academic degree of Candidate of Biological Sciences:

"Zooplankton of the Eastern Finnish Gulf and Its Significance in Baltic Herring Nutrition."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

BITYUKOV, E.P.

Distribution of *Chironomus* f. *l. salinarius* Kieff. under the conditions of a homogenous biotope. Zool.shur. 41 no.10:1503-1508 0 '62. (MIRA 15:12)

1. Novosibirsk Branch of the Research Institute of Lake and River Fishery Management.
(Chany, Lake—Chironomidae)

BITYUKOV, E.P.

Development of zooplankton in Novosibirsk Reservoir under
the conditions of increased flow. Gidrobiol.zhur. 1
no.5:43-45 '65. (MIRA 18:11)

1. Institut biologii yuzhnykh morey AN UkrSSR, Sevastopol'.

BITYUKOV, Georgiy Stapanovich; MASHINA, O.K., red.; BEYSHENOV, A.,
tekhn. red.

[N.M.Przheval'skii's life and travels] Zhizn' i puteshe-
stviia N.M.Przheval'skogo. Izd. ispr. i dop. Frunze, Kir-
gizskoe gos.izd-vo, 1963. 77 p. (MIRA 17:1)

1. Deystvitel'nyy chlen Geograficheskogo obshchestva SSSR
(for Bityukov).
(Przheval'skii, Nikolai Mikhailovich, 1839-1888)

BITTUKOV, I.I., inzh.; TALYZOV, A.F., inzh.

Using latticed shutterings in building massive reinforced concrete structures. Bet. i shel.-bet. no.12:557-560 D '60. (MIRA 13:11)
(Reinforced concrete construction)

BITYUKOV, I. I., inzh., ZHIZHOV, L. I., inzh.

Asphalt filters for vertical drainage holes. Gidr. i mel. 12
no.8:45-49 Ag '60. (MIRA 13:8)

1. Otdel instituta "Orgenergostroy", g. Stalingrad .
(Drainage) (Filters and filtration)

BITYUKOV, Ili'ya Il'ich; TALYZOV, Aleksandr Fedorovich; TSERAPIYER,
L.S., inzh., red.; VOLKOVA, L.I., red.; VELITSYN, B.L.,
tekhn. red.

[Metal latticed formwork for solid concrete]Metallicheskaia
setchataia opalubka dlia massivnogo betona. Moskva, Orgenerg-
stroi, 1961. 47 p. (MIRA 15:8)
(Concrete construction--Formwork)

ABRAMOV, Yu.S., inzh.; BITYUKOV, I.I., inzh.

Precast reinforced concrete in the main structures of the
Stalingrad Hydroelectric Power Station. Gidr.stroi. 31 no.8:18-
23 Ag '61. (MIRA 14:8)
(Stalingrad Hydroelectric Power Station)
(Precast concrete construction)

BITYUKOV, I.I., inzh.; TALYZOV, A.F., inzh.

Erecting the supports of the bridge crossing at the Stalingrad
Hydroelectric Power Station. ~~044r.044r.044r.~~ 31 no.8:29-31 Ag '61.
(MIRA 14:8)

(Stalingrad Hydroelectric Power Station--Bridges, Concrete)

BITYUKOV, I.I., inzh.

Concreting the foundation structures of the Stalingrad Hydroelectric
Power Station. Gidr. stroi. 32 no.10:13-19 0 '61. (MIRA 14:10)
(Volga Hydroelectric Power Station (22nd Congress of the CPSU)--
Concrete construction) (Foundations)

BITYUKOV, I.I., inzh.; TALYZOV, A.F.

Experience with metal formwork for concreting large reinforced
concrete structures. Bet. 1 zhel.-bet. no.1:25-29 Ja '62.
(MIRA 15:4)

(Concrete construction)

YEMEL'YANOV, F.I., inzh.; BITYUKOV, I.I., inzh.

Concrete structures and concrete of the Volga Hydroelectric Power
Station (22d Congress of the CPSU). Bet.i zhel.-bet. 8
no.4:143-146 Ap '62. (MIRA 15:5)
(Volga Hydroelectric Power Station (22d Congress of the CPSU)—
Concrete construction)

BITYUKOV. I.I., inzh; KONIN, L.I., inzh.

Assembly of reinforcement, formwork, and precast reinforced concrete elements in construction of the Volga Hydroelectric Power Station (22nd Congress of the CPSU). Mont. i spets. rab. v stroi. 24 no. 3: 12-18 Mr '62 (MIRA 15:6)

1. Volgogradgidrostroy.
(Volga Hydroelectric Power Station (22nd Congress of the CPSU)---Concrete construction)

BITYUKOV, I.I., inzh.

Organization of the construction of the Volga industrial complex.
Prom.stroi. 40 no.8:5-7 '62. (MIRA 15:11)

1. Volgogradgidrostroy.
(Volgograd Province—Construction industry)

BITYUKOV, I.I., inzh.; RUDENKOV, A.I., inzh.

Use of precast reinforced concrete in the construction of the
Volga Chemical Combine. Prom. stroi. 41 no.8:15-19 Ag '64.
(MIRA 17:11)

BITYUKOV, K. K.

"Developments on Regulation and Utilization of Local Runoff in Regions with Unstable and Insufficient Moisture Content."

Report was presented at the Fifth Congress of the International Commission on Irrigation and Drainage in Tokyo, Japan during 15-21 May 1963

BITYUKOV, K.K.

Experience with pre-sowing, water-saturating irrigation of winter wheat acreage
in steppe regions of the USSR
Gidr. i mel. 4 no. 7, 1952

1. BITYUKOV, K.
2. USSR (600)
4. Soil Moisture
7. Accumulation and preservation in the soil of moisture from fall and winter precipitation. Kolkh. proizv. 12, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

BITYUKOV, K. K.

BITYUKOV, K.K., kandidat biologicheskikh nauk.

[The plant and its life] Rastenie i ego zhizn'. Moskva, Gos.
izd-vo sel'khoz. lit-ry, 1953. 167 p. (MIRA 7:7)
(Plants)

BITYUKOV, K.K.

N/5
723.5
.B6

Foliv sel'skokhozyaystvennykh kul'tur v stepnykh rayonakh
(Irrigation of farm crops in steppe districts, by) K. K.
Bityukov (i) P. K. Dorozhko. Moskva, Gos. izd-vo sel'skokhozyaystvennoy
literatury, 1954.
166 p. illus., diagrs., tables.

BITYUKOV, Konstantin Kus'mich, starshiy nauchnyy sotrudnik; MIKHAYLOV, M.N., starshiy nauchnyy sotrudnik; POPOVA, V.Ya., starshiy nauchnyy sotrudnik; KOREYSHO, Ye.G., redaktor; PEVZNER, V.I., tekhnicheskiy redaktor

[The accumulation and the retention of moisture by soils] Nakoplenie i sokhranenie vlagi v pochve. Izd. 2-oe, ispr. 1 dop. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 173 p. (MLBA 9:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii (for Bityukov, Mikhaylov, Popova)
(Soil moisture)

BITYUKOV, K.K., starshiy nauchnyy sotrudnik

Moisture regimen of soils following saturation irrigation of
winter wheat in Rostov Province. Trudy VNIIGIN 32:7-28 '59.
(MIRA 13:8)

(Rostov Province--Wheat--Irrigation)

BITYUKOV, K.K., starshiy nauchnyy sotrudnik

Total consumption of water by irrigated winter wheat under conditions prevailing in steppe regions. Trudy VNIIGIM 32:74-94 '59.
(MIRA 13:8)

(Russia, Southern--Wheat--Water requirements)

BITYUKOV, L. M.

USSR/ Engineering - Metal hardening

Card 1/1 : Pub. 128 - 22/38

Authors : Bityukov, L. M., and Korzhenko, V. M.

Title : Electric spark hardening of cutting tools

Periodical : Vest. mash. 9, 77-79, Sep 1954

Abstract : Laboratory tests were conducted on three apparatuses for electric spark hardening of cutting tools to determine the influence of AC and DC current on tempering process and the quality of the hardened layer. A description of the above mentioned apparatuses is presented, together with technical data and specifications. Illustrations; diagrams; table.

Institution :

Submitted :

BITYUKOV, L.M.; MAMCHENKO, V.N.

**Engineering seminar on the use of plastics and synthetic
materials. Sudostroenie 25 no.3:79 Mr '59. (MIRA 12:5)
(Marine engineering) (Synthetic products)**

BITYUKOV, L.M.

Unit for developing color prints. Zhur.nauch. i prikl.fot. i kin.
9 no.2:141-142 Mr-Ap '64. (MIRA 17:4)

SEMENOV, L.G., gornyy inzh.; BITYUKOV, L.Ye., gornyy inzh.

Loosening of the coal block with the water-infusion
blasting system in the hydraulic mining of anthracite.
Ugol' Ukr. 6 no.8:15-17 Ag '62. (MIRA 15:11)

1. Ukrainskiy nauchno-issledovatel'skiy i proyektno-
konstruktorskiy institut po gidrodobyche uglya.
(Hydraulic mining)
(Blasting)